

# P **Pueraria montana**

## Common Name(s)

Kudsu, Kudzu

## How Used

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Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	(+)-D-PINITOL	Root	--	--		
0	(+)-L-LACTIC-ACID	Root	--	--		
0	(+)-MAGNESIUM-LACTATE	Root	--	--		
0	(+)-PINITOL	Root	--	--		
3	(-)-GLYCINOL	Plant	--	--	Jeffery B. Harborne and H. Baxter, eds.	1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London.
						791 pp.
0	(-)-LINALOOL	Fruit Essent. Oil	--	--		
0	2,4-DIHYDROXYBENZOIC-ACID-METHYL-ESTER	Stem	--	0.3		
2	2-METHOXY-4-VINYL-PHENOL	Leaf Essent. Oil	--	80600		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	2-METHOXY-5-VINYL-PHENOL	Leaf Essent. Oil	--	18300		
0	3'-HYDROXY-4'-O-BETA-D-GLUCOSYLPUEARIN	Root	--	--		
0	3'-HYDROXYPUEARIN	Root	--	--		
0	3'-METHOXYDAIDZEIN	Root	--	--		
0	3'-METHOXYDAIDZIN	Root	--	25		
0	3'-METHYLPUEARIN	Root	--	--		
0	3-(2-O-GLUCOPYRANOSYL-4-METHOXY-PHENYL)-4-(4-HYDROXY-BENZYL)-BUT-2-EN-4-OLIDE	Root	--	--		
0	3-HYDROXY-BETA-DAMASCONE	Leaf Essent. Oil	--	19400		
0	3-HYDROXY-BETA-IONONE	Leaf Essent. Oil	--	500		
0	3-O-(RHAMNO PYRANOSYL-PENTOSYL(1,2)GLUCURONOPYRANOSYL)-SOPHORADIOL	Flower	--	54		
0	4',7-DIHYDROXYISOFLAVONE	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite.	1991.
0	4'-METHOXYPUERARIN	Root	--	--		
0	5-METHYLHYDANTOIN	Root	--	--		
0	6''-O-D-XYLOSYLPUERATIN	Root	--	--		
0	6''-O-MALONYL-GENISTEIN-8-C-GLUCOSIDE	Tissue Culture	--	--		
0	6''-O-MALONYLDAIDZIN	Root	--	8550		
0	6''-O-MALONYLDAIDZIN	Tissue Culture	--	470		
0	6''-O-MALONYLDAIDZIN	Stem	--	103		
0	6''-O-MALONYLGENISTIN	Stem	--	27		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	6"-O-MALONYLGENISTIN	Tissue Culture	--	194		
0	6"-O-MALONYLGENISTIN	Root	--	630		
0	6"-O-MALONYLPUERARIN	Tissue Culture	--	40		
0	6"-O-MALONYLPUERARIN	Root	--	1625		
1	6,7-DIMETHOXYSYCOUMESTAN	Root	--	--		
0	6-GERANYL-7,4'-DIHYDROXYCOUMESTAN	Root	--	--		
0	8-C-GLUCOSYLYGENISTEIN	Root	--	--		
0	8-PRENYLDAIDZEIN	Stem	--	--		
0	8-PRENYLDIADZEIN	Stem	--	--		
0	8-PRENYLGENISTEIN	Stem	--	--		
19	ACETYL-CHOLINE	Root	--	--		
12	ALLANTOIN	Root	--	--		
101	APIGENIN	Root	--	--		
0	ARACHIDIC-ACID	Root	--	--		
0	ASH	Root	14000	44600	-0.6555994844699365	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
50	BAICALEIN	Root	--	--		
20	BENZOIC-ACID	Fruit Essent. Oil	--	--		
9	BENZYL-ALCOHOL	Fruit Essent. Oil	--	--		
47	BETA-SITOSTEROL	Root	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
47	BETA-SITOSTEROL	Flower	--	--		
47	BETA-SITOSTEROL	Stem	--	--		
4	BETA-SITOSTEROL-BETA-D-GLUCOSIDE	Root	--	--		
32	BIOCHANIN-A	Flower	--	--		
32	BIOCHANIN-A	Root	--	--		
0	BIOCHANIN-A-7-O-GLUCOSIDE	Flower	--	--		
28	CALCIUM	Shoot	1600	1700	-0.9516729083531525	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
28	CALCIUM	Root	150	475	-0.7587195817437633	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CANTONIENSISTRIOL	Root	--	--		
1	CAPROIC-ACID	Fruit Essent. Oil	--	--		
0	CARBOHYDRATES	Root	271000	885350	0.7098962103934531	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CAROTENE	Shoot	44	44		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
20	CHOLINE	Root	--	--		
0	CIS-4-(BUT-CIS-2-ENYLIDENE)-3,5,5-TRIMETHYLCYCLOHEX-2-EN-1-ONE	Leaf Essent. Oil	--	290		
0	CIS-4-(BUT-TRANS-2-ENYLIDENE)-3,5,5-TRIMETHYLCYCLOHEX-2-EN-1-ONE	Leaf Essent. Oil	--	1900		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0 COUMARINS		Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
13 COUMESTROL		Stem	--	76		
13 COUMESTROL		Root	--	--		
32 DAIDZEIN		Root	--	1800	1	
32 DAIDZEIN		Flower	--	--		
32 DAIDZEIN		Rhizome	--	--		
32 DAIDZEIN		Leaf	--	949.8	0.9999999999999997	Kaufman,PB,Duke,JA,Brielmann,H,Boik,J and Hoyt,JE. 1997. A Comparative Survey of Leguminous Plants as Sources of the Isoflavones Genistein and Daidzein: Implications For Human Nutrition and Health. <i>Journal of Alternative &amp; Complementary Medicine</i> 3(1):7-12
32 DAIDZEIN		Plant	--	--		
32 DAIDZEIN		Stem	--	510	1	
0 DAIDZEIN-4',7'-DI-O-BETA-D-GLUSIDE		Root	--	--		
0 DAIDZEIN-4,7-DIGLUCOSIDE		Root	--	--		
0 DAIDZEIN-4,7-DIGLUCOSIDE		Plant	--	--		
0 DAIDZEIN-7-O-METHYL-ETHER		Root	--	--		
0 DAIDZEIN-8-C-APIOSYL-(1,6)-GLUCOSIDE		Root	--	100		
10 DAIDZIN		Plant	--	--		
10 DAIDZIN		Root	5.3	6520		
10 DAIDZIN		Tissue Culture	--	119		
10 DAIDZIN		Stem	--	35		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
10 DAIDZIN		Leaf	--	400		
0 DAMASCENONE		Leaf Essent. Oil	--	19700	-1	
5 DAUCOSTEROL		Root	--	--		
5 DAUCOSTEROL		Flower	--	--		
0 DELPHINIDIN-3-DIGLUCOSIDE		Flower	--	--		
1 DELPHINIDIN-3-O-BETA-D-GLUCOSIDE		Flower	--	--		
0 DI-O-METHYLD AIDZEIN		Root	--	--		
0 DIADZIN		Stem	--	5.4		
0 EO		Leaf Essent. Oil	--	120		
6 ETHYL-ACETATE		Fruit Essent. Oil	--	--		
76 EUGENOL		Fruit Essent. Oil	--	--		
0 FAT		Shoot	16000	35000	-0.21796356752901366	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0 FAT		Root	1000	3185	-0.6567944254485638	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15 FIBER		Root	7000	22300	-1.461573051927587	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation	
15	FIBER		Shoot	171000	275000	1.0771908220429884	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER		Stem	462000	462000	1.1396711505257664	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FLAVONES		Root	--	--		
3	FLUORIDE		Root	--	6.6	-0.3778681094927793	
16	FORMONONETIN		Flower	--	--		
16	FORMONONETIN		Rhizome	--	--		
16	FORMONONETIN		Root	--	--		
81	GENISTEIN		Leaf Diffusate	--	3	-0.8278486261082212	
81	GENISTEIN		Leaf	--	316.9	-0.9017833288262167	Kaufman,PB,Duke,JA,Brielmann,H,Boik, and Hoyt,JE. 1997. A Comparative Survey of Leguminous Plants as Sources of the Isoflavones Genistein and Daidzein: Implications For Human Nutrition and Health. <i>Journal of Alternative &amp; Complementary Medicine</i> 3(1):7-12
81	GENISTEIN		Root	--	--		
81	GENISTEIN		Flower	--	--		
81	GENISTEIN		Stem	--	--		
0	GENISTEIN-8-C-APIOSYL-(1,6)-GLUCOSIDE		Root	--	10		
0	GENISTEIN-8-C-GLUCOSIDE		Root	--	--		
0	GENISTEIN-8-GLUCOSIDE		Tissue Culture	--	--		
3	GENISTIN		Root	--	1120		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
3	GENISTIN	Flower	--	--		
3	GENISTIN	Stem	--	21		
3	GENISTIN	Leaf	--	20		
3	GENISTIN	Tissue Culture	--	53		
3	GLYCINOL	Leaf Diffusate	--	32		
3	GLYCINOL	Leaf	--	--		
5	GLYCITEIN	Flower	--	88		
0	HEX-CIS-3-EN-1-OL	Fruit Essent. Oil	--	--		
0	IRISOLIDONE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	IRISOLIDONE	Flower	--	--		
0	IRISOLIDONE-7-O-BETA-D-GLUCOSIDE	Flower	--	2500		
0	IRISOLIDONE-7-O-GLUCOSIDE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	IRISOLIDONE-7-O-GLUCOSIDE	Flower	--	--		
0	IRISOLIDONE-7-O-XYLOSYLGLUCOSIDE	Flower	--	--		
6	IRON	Root	6	19	-0.41405018579014385	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	IRISOLIDONE-7-O-BETA-D-XYLOSYL-GLUCOSIDE	Flower	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
3	ISOAMYL-ALCOHOL	Fruit Essent. Oil	--	--		
0	ISOFLAVONES	Root	17700	120000		
28	ISOLIQUIRITIGENIN	Root	--	--		
5	ISOVALERIC-ACID	Fruit Essent. Oil	--	--		
0	KAEMPFEROL-3-O-RHAMNOSYL-GALACTOSIDE-7-O-RHAMNOside	Plant	--	--		
0	KAIKASAPONIN-III	Flower	--	32.4		
0	KAIKASAPONIN-III	Leaf	--	200		
0	KAKKALIDE	Flower	--	16216		
0	KAKKANIN	Flower	--	--		
0	KILOCALORIES	Root	1130	3600	0.5141842307747335	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	KUDZUISOFLAVONE-A	Tissue Culture	--	0.75		
0	KUDZUISOFLAVONE-B	Tissue Culture	--	1.75		
0	KUDZUSAPogenol-A	Root	--	--		
0	KUDZUSAPogenol-B-METHYL-ESTER	Root	--	--		
0	KUDZUSAPogenol-C	Root	--	--		
0	KUDZUSAPONIN-A-1	Root	--	0.09		
0	KUDZUSAPONIN-A-2	Root	--	0.08		
0	KUDZUSAPONIN-A-3	Root	--	0.36		
0	KUDZUSAPONIN-A-4	Root	--	0.08		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	KUDZUSAPONIN-A-5	Root	--	0.32		
0	KUDZUSAPONIN-C-1	Root	--	0.09		
0	KUDZUSAPONIN-SA-1	Root	--	0.08		
0	KUDZUSAPONIN-SA-2	Root	--	0.1		
0	KUDZUSAPONIN-SA-3	Root	--	0.09		
0	KUDZUSAPONIN-SA-4	Root	--	0.08		
0	KUDZUSAPONIN-SB-1	Root	--	0.08		
0	KUZUBUTENOLIDE-A	Root	--	1.4		
27	LINOLEIC-ACID	Stem	--	--		
0	LINOLENIC-ACID	Stem	--	--		
0	LUPENONE	Root	--	--		
0	LUPIWIGHTEONE	Stem	--	--		
65	MAGNESIUM	Shoot	800	850	-0.9192138294810521	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	MALVIN	Flower	--	--		
0	N-ACYL-N-1-GLUCOSYLTRYPTOPHAN	Flower	--	--		
0	NICOTIFLORIN	Leaf	--	350	1	
0	OCT-1-EN-3-OL	Fruit Essent. Oil	--	--		
0	OCTAN-1-OL	Fruit Essent. Oil	--	--		
2	ONONIN	Flower	--	--		
25	P-COUMARIC-ACID	Flower	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
25	P-COUMARIC-ACID		Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	P-HYDROXYBENZOIC-ACID-METHYL-ESTER		Stem	--	0.1	
13	PALMITIC-ACID		Stem	--	--	
2	PHASEOLLIDIN		Leaf Diffusate	--	2 -1	
0	PHENYLETHANOL		Fruit Essent. Oil	--	--	
4	PHOSPHORUS		Root	180	575 -0.5170673277022045	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS		Shoot	470	2440 -0.43012350286689155	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	PHYTOL		Leaf Essent. Oil	--	46300	
14	POTASSIUM		Shoot	16000	36050 0.8561443907517653	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	PROPIONIC-ACID		Fruit Essent. Oil	--	--	
0	PROTEIN		Shoot	131000	168600 -0.3785499997118909	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0 PROTEIN		Root	21000	66890	-0.5785800891146337	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0 PUERARIA-GLYCOSIDE-1		Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0 PUERARIA-GLYCOSIDE-2		Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0 PUERARIA-GLYCOSIDE-3		Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0 PUERARIA-GLYCOSIDE-4		Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0 PUERARIA-GLYCOSIDE-5		Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0 PUERARIA-GLYCOSIDE-6		Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0 PUERARIA-GLYCOSIDE-PG-1		Root	--	--		
0 PUERARIA-GLYCOSIDE-PG-2		Root	--	--		
0 PUERARIA-GLYCOSIDE-PG-3		Root	--	--		
0 PUERARIA-GLYCOSIDE-PG-6		Root	--	--		
49 PUERARIN		Stem	--	208		
49 PUERARIN		Root	3.5	50300		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
49	PUERARIN	Plant	--	--		
49	PUERARIN	Tissue Culture	--	86		
0	PUERARIN-4'-O-BETA-D-GLUCOSIDE	Root	--	--		
0	PUERARIN-7-O-XYLOSIDE	Root	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	PUERARIN-APIOSIDE	Root	--	--		
0	PUERARIN-XYLOSIDE	Root	--	--		
0	PUERAROL	Root	--	--		
0	PUEROSIDE-A	Root	--	--		
0	PUEROSIDE-B	Root	--	--		
176	QUERCETIN	Flower	--	--		
176	QUERCETIN	Root	--	--		
176	QUERCETIN	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
15	RIBOFLAVIN	Shoot	8	8	-1.015123092949927	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
10	ROBININ	Leaf	500	18700		
87	RUTIN	Leaf	--	--		
22	SCOPARONE	Root	--	--		
3	SHEKANIN	Flower	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	SILICA	Shoot	15000	5200	0.19036830250917935	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	SISSITORIN	Flower	--	--		
0	SOPHORADIOL	Root	--	--		
0	SOYASAPOPENOL-A	Root	--	--		
0	SOYASAPOPENOL-B	Root	--	--		
0	SOYASAPONIN-A-3	Root	--	--		
0	SOYASAPONIN-I	Root	--	1.5	-0.771802886765747	
0	SOYASAPONIN-SA-3	Root	--	0.09		
5	STARCH	Root	130000	400000	0.35249191462533713	
8	STEARIC-ACID	Stem	--	--		
12	STIGMASTEROL	Stem	--	--		
0	STIZOLAMINE	Seed	--	2.1		
7	SUCCINIC-ACID	Root	--	--		
1	TECTORDIN	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	TECTORIGENIN	Flower	--	70		
0	TECTORIGENIN-7-O-GLUCOSIDE	Flower	--	--		
0	TRANS-4-(BUT-CIS-2-ENYLIDENE)-3,5,5-TRIMETHYLCYCLOHEX-2-EN-1-ONE	Leaf Essent. Oil	--	230		
0	TRANS-4-(BUT-TRANS-2-ENYLIDENE)-3,5,5-TRIMETHYLCYCLOHEX-2-EN-1-ONE	Leaf Essent. Oil	--	1000		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
5	TUBEROSIN	Leaf Diffusate	--	106		
5	TUBEROSIN	Stem	--	--		
0	WATER	Root	686000 686000 -0.5448595234941394		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
2	WIGHTEONE	Leaf Diffusate	--	--		